

[SEQ CHAPTER \h \r 1]ASPECT Airborne Response Support Services Contract # EP-W-12-005
Option Period 5.
Task Order 36 – Deployment to Port Neches, TX. South 4 Group Fire Response

Period of Performance

From: June 1, 2019

To: May 31, 2020

Task Element 1. Preparation and Mobilization

The contractor shall coordinate with a contract listed COR regarding the type and location of the deployment. Information available on the nature of the threat will be provided at the time of request to deploy. When possible, a written mission order will be issued outlining the basic flight parameters and data collection requirements. If there is insufficient time to draft a mission order, the pertinent information will be communicated verbally and an attempt to send written orders will be made through the satellite communication system. After receiving the initial information, the contractor will conduct a pre-flight evaluation and assessment of the flight conditions and plans. The estimate of anticipated on scene arrival will be communicated to the appropriate COR.

Region 6 Requested ASPECT deploy to monitor the atmosphere near the TPC Facility in Port Neches, TX due to an explosion and fire at their facility. The location and data acquisition will be transmitted to the flight crew and a flight plan will be discussed on a conference call.

Task Element 2. In-Flight Communications

The contractor shall establish communications with the relevant COR and reach back science support team. The communications lines will remain open to allow for the exchange of information and modification of the data collection requirements. A data access communication line will be established to allow for in flight data transmittal throughout a deployment.

The flight crew shall maintain communication with the ground based reach back team through the use of the Pidgeon SMTP texting services. The crew shall communicate current conditions, data collection efforts, and data pre-processing results. Any additional instructions for the crew will be transmitted through the text messaging service via the ground controller.

Task Element 3. Data Collection and Processing

The contractor shall collect the agreed upon data sets and conduct the initial processing of the data while still in the vicinity of the event. The processing results shall be reported to the relevant COR and made available for downloading through the data communication lines. The contractor shall remain in the area of the event until such time that the COR releases the crew to return to base.

The flight crew shall collect data on the atmosphere immediately nearby the involved plant and warehouse building including the down wind areas. All data shall be pre-processed in the aircraft immediately after collection. Pre-processing results shall be communicated to the ground controller. Additional data collection requirements will be transmitted via text messaging by the ground controller.

Task Element 4. Demobilization

Following release by the relevant COR the contractor shall make arrangements for returning to their home base. The contractor shall assess the return flight and report when they estimate return arrival. Upon return the contractor shall complete any final data processing and transmissions.

The flight crew will stay on station until the ground controller releases the crew to return to base. Upon landing the crew shall download all raw and processed data and deliver it to the reach back team via the established FTP site.

Task Element 5. Final Report

Within five days of return the contractor shall complete a brief letter report on the deployment. The report shall include a chronology of the deployment, identification of any flight performance issues, identification of any system performance issues, identification of any communications issues, recommendations for performance improvements and an estimate of costs incurred.